

20020713.qrp v02_n615.qrl.20020713

Date: Sat, 13 Jul 2002 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2615

QRP-L Digest 2615

Topics covered in this issue include:

- 1) [129662] Experiment of reproducible results PART II
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- 2) [129663] Re: Experiment of reproducible results PART II
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- 3) [129664] Re: Rock Mite available?
by "ss lyon" <sslyon@megalink.net>
- 4) [129665] RE: Does anybody have 40 meter crystals for sale?
by David Hinerman <WD8CIV@worldnet.att.net>
- 5) [129666] Re: Rock Mite available?
by "Dave Benson" <nn1g@earthlink.net>
- 6) [129667] U.S. Equivalent for BC548C ???
by "James P. Rybak" <jrybak@mesastate.edu>
- 7) [129668] Re: U.S. Equivalent for BC548C ???
by Fred Lesnick <flesnick@tbaytel.net>
- 8) [129669] Re: invisible wire?
by "tmyers" <tmyers@academicplanet.com>
- 9) [129670] Sale: TenTec Filters
by "Jay Bromley" <w5jay@alltel.net>
- 10) [129671] For Sale
by Paul Womble <pwomble1@tampabay.rr.com>
- 11) [129672] K7QO/KL7 encounter
by Chuck Adams <k7qo@earthlink.net>
- 12) [129673] SteppIR antennas
by Tom Feeny <tfeeny@comcast.net>
- 13) [129674] Re: "Dipping" traps?
by Ade Weiss W0RSP <adeweiss@sd.value.net>
- 14) [129675] Fw: WA3WSJ on AT Tomorrow
by "Ron Polityka" <wb3aal@fast.net>
- 15) [129676] Re: U.S. Equivalent for BC548C ???
by "Leon Heller" <leon_heller@hotmail.com>
- 16) [129677] Re: Experiment of reproducible results PART II
by "John Dorson" <jdorson@worldshare.net>
- 17) [129678] Ultimate Portable Antenna
by W2AGN <w2agn@w2agn.net>
- 18) [129679] Re: Experiment of reproducible results PART II
by "George, W5YR" <w5yr@att.net>
- 19) [129680] Re: Ultimate Portable Antenna

- by Dave Fouchey <dafouchey@comcast.net>
- 20) [129681] RE: Ultimate Portable Antenna
by "Michael Bower N4NMR" <bowerm@ix.netcom.com>
- 21) [129682] Re: Ultimate Portable Antenna
by W2AGN <w2agn@w2agn.net>
- 22) [129683] Re: Ultimate Portable Antenna
by W2AGN <w2agn@w2agn.net>
- 23) [129684] DSWTUN95 revisited...
by "Bill, N4QA" <n4qa@hotmail.com>
- 24) [129685] For Sale : Vibroplex Key & Welz Meter
by "David Durant" <n4xce@bellsouth.net>
- 25) [129686] WTB Heathkit meter
by Rick McKee <kc8aon@juno.com>
- 26) [129687] For Sale: Assembled KAF2 Audio Filter & Yaesu knob
by Paul Womble <pwomble1@tampabay.rr.com>
- 27) [129688] Why I became a Ham Question for newer hams
by Ron KU7Y <mswmod@bigplanet.com>
- 28) [129689] KAF2 & Yaesu knob have been sold
by Paul Womble <pwomble1@tampabay.rr.com>
- 29) [129690] Re: Ultimate Portable Antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 30) [129691]
by Karl Heimbach <kheimbach@ev1.net>
- 31) [129692] Re: Ultimate Portable Antenna
by W2AGN <w2agn@w2agn.net>
- 32) [129693] Tube QRP transmitter for sale
by Karl Heimbach <kheimbach@ev1.net>
- 33) [129694] Re: Riddle me a Rock-Mite
by "Dave Fifield" <dave@redhotradio.com>
- 34) [129695] Next step beyond Altoids?
by Al Scanandoah <k2zn@rochester.rr.com>
- 35) [129696] Low-Power Dummy Load
by Jim Campbell <jim-c@nc.rr.com>
- 36) [129697] Re: Low-Power Dummy Load
by Al Scanandoah <k2zn@rochester.rr.com>
- 37) [129698] Xtals FS
by don@azark.com
- 38) [129699] Re: Next step beyond Altoids?
by David Hinerman <WD8CIV@worldnet.att.net>
- 39) [129700] Re: Roof-mounted multiband vertical fed by ladderline
by "Nico Vertriest" <Nico.Vertriest@pandora.be>

Date: Fri, 12 Jul 2002 19:47:25 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [129662] Experiment of reproducible results PART II

Message-ID: <20020712.194746.-1795.0.nilsbull@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gang,

Someone suggested that the problem with my Z-match tuner/SG2020 being squirrely might not be the radio. The suggestion was that it was the SWR bridge in the tuner. Well, guess what I found out . . .

Today I took my fancy 50W "ultimate transmatch" ATU thingie (hereafter known as "Tuner A") and hooked it up to the radio. Tuned up great. Sure, it weren't the antenna I used at the beach & I wasn't at the beach anyway. But with two pieces of wire hangin' off the back of the tuner, I managed to tune a very respectable "low SWR " without having to tune at a power level over 5W.

Then I hosed up the Z-match via Tuner A, using the SWR bridge in Tuner A to verify what was showin' up on the Z-match SWR meter. (Tuner A has a "pass through" setting so I can use the SWR bridge there & the signal goes straight out the back to whatever) For all intestinal porpoises, the meters in Tuner A and in the Z-match agreed. Very respectable SWR.

Then I put the SWR bridge in the Z-match through Tuner A & used Tuner A to set the antenna. (I can bypass the Z-match tuning stuff.) The meter on Tuner A agreed for the most part with the Z-match. But not exactly. In fact, there was a reasonable measure of disagreement.

So I took the SWR bridge in the Z-match out & looked at it serious. It's basically the same circuit that's in the LDG ATUs, in the K1 & K2 auto ATUs & nearly the same as the S/R meter on page 44 of July 1999 QST. All of the three or four home brew SWR meters I've got are the same circuit. The one in the box on the wall is a Stockton. I think the one in Tuner A is a Stockton meter too.

But this brings up a big question: If the meter in the Z-match only reads right when the RF goes through a Stockton meter first (and possibly another SWR meter I ain't tried yit), how come it don't read right when the Stockton meter ain't there? I mean, it's like it only works if there's another SWR meter circuit (or at least the one in Tuner A) is in the circuit between the RF and the Z-match tuning stuff?

What's really nuts is that the Z-match bridge shows 5W on the meter for 5W in to a dummy load. Through the tuner the fwd & ref readings never go above or below 3W into any other load (as in through the Z-match tuning circuit). The meter on Tuner A will show 5 W to the Z-match bridge to a dummy load too. Which is to say that the Z-match meter never agrees with

reality unless Tuner A is between the RF source (the '2020) and the Z-match to the wires hanging off the back. It's really weird. Like I said.

I am so confused! It's almost enough to make me want to take up collecting "bawdy house tokens," for which there is an interesting web site in Sweden. If you can believe that.

Either that or I am so for sure gonna take the alto to the beach next year & sit on the beach & play to the dolphins. 'Cept the dolphins don't pay scale. But I ain't got a union card nor a cabaret card neither. As if!

Insights or wisdom about this Tuner A/Z-match SWR deal welcome & greatly appreciated. Not as much as the value of "bawdy house tokens" has appreciated over the years, I'd bet. But appreciated all the same.

73

Nils

Nils R. Bull Young -- W8IJN -- La Estancia de los Guajolotes Sonrientes
<http://w8ijn.tripod.com> -- <http://members.fortunecity.com/nilsbull>
"The island is closer than your memories are." -- Ian G. Bull Young, 15
Feb 2002

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Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/web/>.

Date: Fri, 12 Jul 2002 19:30:40 -0500

From: "George, W5YR" <w5yr@att.net>

To: nilsbull@juno.com

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [129663] Re: Experiment of reproducible results PART II

Message-ID: <3D2F74B0.379FEB4A@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

PART ONE

Nils, the bottom line is that whenever you insert an SWR bridge into a line you upset the impedance of that line and introduce a discontinuity. Some SWR circuits are worse than others. Basically, you believe the meter nearest the source of power. The longer the coax and whatever else between the two SWR meters, the more they may differ in their readings.

We tend to automatically think that inserting an SWR bridge into a coax line doesn't affect the line, but it can - big time in some cases. Funny, but inserting an SWR meter can create or even worsen an SWR situation . . .

So, tune according to the meter nearest to the transmitter and you will be as close as you can get.

Remember the man with two watches who never knew the correct time?

Sound familiar?

PART TWO

The reflectometer circuit most often found in SWR bridges or wattmeters - the one Warren Bruene W5OLY invented while with Collins back in the 40's - does not really measure SWR nor does it actually measure power. It electrically measures the reflection coefficient of the line circuit into which it is inserted.

In other words, it measures how far the impedance at that point in the line differs from 50 Ohms resistive. Since there is really no line within that little box to measure a standing wave upon, something else must be going on - and it is. Line voltage and current measurements are made and from these and some math tricks actually performed by the analog circuitry, the SWR and forward and reflected power components are measured and displayed by the meter.

So, think of your SWR meter as reading, not SWR or power, but the extent to which the line impedance at that location differs from a 50 ohm resistor. Due to the generosity of some neat math, it turns out that knowing that allows the meter to be calibrated in terms of the SWR that *would* exist in a line sufficiently long enough to contain a standing wave had we made measurements along the line and standing wave, like the old Lecher wires of yesteryear or the slotted lines still used in microwave labs. By calibrating the meter deflection appropriately, we can also assign power levels to the meter readings and measure forward and reflected power in the line at that location.

Again, the key thing to remember is that sticking one of these boxes into a coax line changes the line operation and affects everything upstream between it and the source of r-f power. So, the meter to trust is the one nearest the source.

Hope this helps a little . . .

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Nils R Young wrote:

>
> Gang,
>
> Someone suggested that the problem with my Z-match tuner/SG2020 being
> squirrely might not be the radio. The suggestion was that it was the SWR
> bridge in the tuner. Well, guess what I found out . . .
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> known as "Tuner A") and hooked it up to the radio. Tuned up great. Sure,
> it weren't the antenna I used at the beach & I wasn't at the beach
> anyway. But with two pieces of wire hangin' off the back of the tuner, I
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>
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> circuit). The meter on Tuner A will show 5 W to the Z-match bridge to a
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> appreciated. Not as much as the value of "bawdy house tokens" has
> appreciated over the years, I'd bet. But appreciated all the same.

Date: Thu, 11 Jul 2002 21:21:44 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129664] Re: Rock Mite available?
Message-ID: <005901c22942\$7c6d1860\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not certain on this but I think Rock Mite is one of those things that "You Had To Be There" to acquire. Dave was intending to pass them out free to attendees at LOBSTERCON, Ft. Tuthill, etc. to encourage participation and experimentation. Pretty sure he didn't intend to market them. I got lucky via LOBSTERCON.

73

-S-

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----

From: "Patrick Gardella" <pgardella@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, July 11, 2002 7:34 AM
Subject: Re: Rock Mite Rocks!

> Heard lots of good reports on this, but when is it going to be available?
>
> Patrick
>
> --- ss lyon <sslyon@megalink.net> wrote:
> > Got the rig on tonite and it's a real kick. Clean sine wave & Keying, and
about
> > 17.5v P-P. Rx is HOT, but wide -as one might expect, with 40m BC hammering
the
> > front end. It has audio to burn. Hosed it up to my 88' EDZ and on the 4th
CQ,
> > G3JCF came back and gave me a 339. I'm hitting the sack happy with this
> > evening's effort -and K1SWL's efforts too. Thanks Dave.
> > 72
> > AA1MY
> > Seabury & Sharon Lyon
> > 99 Sparrowhawk Mtn Rd
> > Bethel ME, 04217 U.S.A.
> > 207-836-2576
> >
> > Virus Protection by Norton and ZoneAlarm
> >
>
>
> -----
> Do You Yahoo!?
> Sign up for SBC Yahoo! Dial - First Month Free
> <http://sbc.yahoo.com>

Date: Fri, 12 Jul 2002 21:04:46 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [129665] RE: Does anybody have 40 meter crystals for sale?
Message-ID: <5.1.0.14.1.20020712210132.00b1dfe0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

Here's a place that offers miniature cylindrical crystals in amateur frequencies:

<http://www.expandedspectrumsystems.com/prod4.html>

I've never bought from them, don't know anyone who has, and have no financial interest. I think somebody posted the link here a couple of weeks ago. It caught my attention because they also offer FT-817 filters.

Dave

At 02:59 PM 7/12/2002 -0700, you wrote:

>Gang,

>

>Just an FYI...

>

>NorCal has 40 meter crystals, as some have noted, but Doug Hendricks is on
>vacation 'til ~ Aug 8th. I'm sure you'd be welcome to send him orders for
>crystals or BLTs, but you're probably looking at mid August to receive your
>goods.

>

>[Could be that someone is processing orders in his absence, but I've not
>heard of it.]

>

>The web page & order info is contained in the prior posts on this thread.

>

>Best,

>

>Conrad Weiss

>NN6CW

>

>

>-----

>From: Ronald Davis[SMTP:RDavis24@carolina.rr.com]

>Sent: Friday, July 12, 2002 12:42 PM

>To: Low Power Amateur Radio Discussion

>Subject: Does anybody have 40 meter crystals for sale?

>

>Hello

>I want to build a Pixie 2 Manhattan style and need some crystals for 40
>meters. I also need some holders, I am having a hard time finding some for
>7.040 and the Novice part of the band? Let me know if you have any for
>sale.

>Getting ready for Daves Rock Mite also

>Thanks

>Ronnie

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Fri, 12 Jul 2002 21:27:26 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <sslyon@megalink.net>, <qrp-1@lehigh.edu>
Subject: [129666] Re: Rock Mite available?
Message-ID: <006901c22a25\$987d4be0\$38bd3a41@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Seab and multitudes-

I had my mind changed for me at Lobstercon. It **will** be a product- as soon as I have more of the necessary crystals in hand. Until then, I'm reluctant to announce it officially. I'm currently in labor on the DSW-II <g> and that project has to come first.

73- Dave

Dave Benson, K1SWL
dave@smallwonderlabs.com
<http://smallwonderlabs.com>
Phone/fax 860-537-8031

-----Original Message-----

From: ss lyon <sslyon@megalink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, July 12, 2002 18:05 PM
Subject: Re: Rock Mite available?

Not certain on this but I think Rock Mite is one of those things that "You Had To Be There" to acquire. Dave was intending to pass them out free to attendees at LOBSTERCON, Ft. Tuthill, etc. to encourage participation and experimentation. Pretty sure he didn't intend to market them. I got lucky via LOBSTERCON.

Date: Fri, 12 Jul 2002 19:45:57 -0600 (MDT)
From: "James P. Rybak" <jrybak@mesastate.edu>
To: qrp-l@lehigh.edu
Subject: [129667] U.S. Equivalent for BC548C ???
Message-ID: <Pine.LNX.4.21.0207121941170.12856-100000@mesastate.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can anyone please tell me the U.S. equivalent for the BC548C transistor? Also, am I correct in my understanding that the U.S. equivalent for the BC558C is the 2N3906 ?

Thanks.

Jim Rybak W0KSD

Date: Fri, 12 Jul 2002 22:03:38 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: jrybak@mesastate.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129668] Re: U.S. Equivalent for BC548C ???
Message-ID: <3D2F8A7A.403F541D@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Industry Number : 2N3391
NTE Device Number: NTE199
T-NPN,SI-LO NOISE,T0-92
U.S. equivalent for the BC548C

"James P. Rybak" wrote:

>
> Can anyone please tell me the U.S. equivalent for the BC548C
> transistor? Also, am I correct in my understanding that the
> U.S. equivalent for the BC558C is the 2N3906 ?
>
> Thanks.
>

> Jim Rybak W0KSD

Date: Sat, 13 Jul 2002 02:10:27 -0500
From: "tmyers" <tmyers@academicplanet.com>
To: <WD8CIV@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129669] Re: invisible wire?
Message-ID: <000901c22a3c\$5f00fda0\$0100a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have tried a lot of ways to hide antennas (wire and aluminum tube) and the flat black does an excellent job and it is easy to find. Flat green, flat brown and flat black mixed in as random pattern seems to do well also.

For an idea of how well it works, a friend, who lives in a deed restricted subdivision has gotten by with a 45 foot tower holding a large tribander all painted flat black for the last 25 years. It really works.

I think mentally people have gotten used to seeing power lines and the like and ignore black lines as well as the fact there is no glint at all to attract attention, like a light attracts attention.

Your mileage may vary.

KQ5U, Terry
Spring, Texas

----- Original Message -----
From: David Hinerman <WD8CIV@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, July 12, 2002 07:14
Subject: invisible wire?

> Folks,
>
> What's your favorite color for a semi-permanent wire antenna that
needs to
> be as hard to see as possible?
>
> I have a tree on each side of my house and more trees at the back of

the
> lot. I'm thinking of hanging a bent dipole among them, with the
feedpoint
> in one of the trees. The wire from that tree to the back of the lot is
less
> of a problem in terms of street visibility, but the wire over the top
of
> the house will parallel the street.
>
> I'm thinking a light blue or gray wire might be best, but I wanted to
hear
> what the "been there, done that" people have to say.
>
> Dave
>
> -----
> "You can fool some of the people all of the time. That's enough to
make a
> living." - Lance Burton
> -----
> Dave Hinerman
> WD8CIV@worldnet.att.net
>

Date: Fri, 12 Jul 2002 21:32:09 -0500
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-1@lehigh.edu>
Subject: [129670] Sale: TenTec Filters
Message-ID: <001701c22a15\$7dd9c9e0\$6518150a@Alltel>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

HI Gang,

I have a few Ten-Tec Filters for sale. I will ship each for \$60 firm.
Address and phone # below sale items. Thank you and 73 de w5jay..

288- 1.8 KHz 8 pole 6.3 MHz SSB Filter

282- 250 Hz 6 pole 6.3 MHz CW Filter

216- 500 Hz 6 pole 9 MHz FSK Filter

Jay Bromley
9505 Bryn Mawr Circle
Fort Smith, AR. 72908-9276

Phone # 479-651-7012
w5jay@arrl.net

Date: Fri, 12 Jul 2002 22:53:05 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>, FP List <fpqrp-l@mpna.com>,
FL Ham <flham@mailman.qth.net>, Cars List <cars@k4ksa.org>,
Subject: [129671] For Sale
Message-ID: <3D2F9611.1B045ED@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All prices negotiable. Trades considered.

1 ADI AR147 2m mobile
5/10/50 watts
Great condition.
Includes original box, manual, etc.
\$100 shipped.

1 Yaesu FT-50R 2m/440 handheld
Up to 5 watts on both bands. Wide band receive.
Good condition.
Includes original box, charger, battery.
\$100 shipped.

1 ICP 5watt solar panel. 13" x 13" x 1" Retails for \$79.99.
Great condition.
See specs at: <http://www.icpglobal.com/html/pspro5.htm>
\$40 shipped.

1 Tic Basic Enclosure Kit
New...still in original package.
\$10 shipped.

1 Pryme SPM-201E Lapel mic w/ earhook

for Kenwood HT's.
In original package...as brand new.
\$13 shipped

Please email with any questions.

73
Paul K4FB

Date: Sat, 13 Jul 2002 04:57:56 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [129672] K7Q0/KL7 encounter
Message-ID: <5.1.0.14.0.20020713044611.009e7d50@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Several weeks ago Phyllis and I took the inland waterway voyage on a cruise liner and enjoyed it a great deal. Kind of weird to go out on deck at 2a.m. and still see twilight. Of course it was the longest day of the year in most places north of the equator.

The thing that the for sale posting by Jay Bromley triggered was that we were in Ketchikan AK going from shop to shop. As we entered one a couple was coming out and he was wearing a TenTec baseball cap. I stopped to mention that I like TenTec and had several Corsair I's, etc. He mentioned that he had an Omni VI. :-)

He was none other than Stan Reas, K4UK, the FISTS CW QSL Bureau manager. I mentioned that I had just gotten a note a few weeks prior that I was out of envelopes at the buro. But I reminded him that as K5F0 I made a sizeable contribution to the buro to help them but I had not sent in the call change.

He said that he would correct the situation and that he would write up a short story for the newsletter about our chance meeting. I had never previously met him in person and we had a nice chat.

So what are the chances that two people already separated by

2/3 of a continent meet in a small shop in a small community in AK and both on two different cruise lines that happen to be in the same port at the same time for a few hours????? Small world.

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Sat, 13 Jul 2002 01:13:10 -0400
From: Tom Feeny <tfeeny@comcast.net>
To: *NJQRP <njqrp@njqrp.org>, *QRP-L <qrp-l@lehigh.edu>
Subject: [129673] SteppIR antennas
Message-ID: <000a01c22a2b\$fe15d840\$3a5c2044@waldlk01.mi.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Does anyone have any experience with "The Ultimate Yagi" on p.19 of the July QST. Looks good but I wonder if the little motors would freeze up in bad WX.
Tom

Date: Sat, 13 Jul 2002 00:14:10 -0500
From: Ade Weiss W0RSP <adeweiss@sd.value.net>
To: qrp-l@lehigh.edu
Subject: [129674] Re: "Dipping" traps?
Message-ID: <B8ZUXNL95MH82VR95US05ZYSNPJU0MI.3d2fb722@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi all:

My experience is that you cannot use an R/X measuring device (MFJ259 etc.) to tune a trap antenna with several traps. Moreover, to achieve a match to 50-ohm coax, some brands (18AVQ etc) have a matching coil mounted in

the base. Talk about measuring a bunch of dips!

72, ADe W0RSP

Date: Sat, 13 Jul 2002 02:30:35 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>
Subject: [129675] Fw: WA3WSJ on AT Tomorrow
Message-ID: <00c801c22a36\$cc54b820\$db35cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

I plan to hike on the AT and take my K1 with me. Look for me on 40m around 7.040mhz. I should be on the air around 11am until about 2pm. I plan to hike with my buddy (3 yr old cocker) Trevor. I'll hike north off Rt. 183 and setup to operate.

Hope to work you from the AT!

72,

Ed, WA3WSJ

Date: Sat, 13 Jul 2002 08:54:21 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: jrybak@mesastate.edu, qrp-l@lehigh.edu
Subject: [129676] Re: U.S. Equivalent for BC548C ???
Message-ID: <F1220mkhcQZt0p5a2r800012d71@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "James P. Rybak" <jrybak@mesastate.edu>
>Reply-To: jrybak@mesastate.edu
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

>Subject: U.S. Equivalent for BC548C ???
>Date: Fri, 12 Jul 2002 19:45:57 -0600 (MDT)
>
>
>Can anyone please tell me the U.S. equivalent for the BC548C
>transistor? Also, am I correct in my understanding that the
>U.S. equivalent for the BC558C is the 2N3906 ?
>
>Thanks.
>
>Jim Rybak W0KSD

You should be able to get any European device from Farnell:
<http://www.farnell.com>

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sat, 13 Jul 2002 07:34:51 -0400
From: "John Dorson" <jdorson@worldshare.net>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129677] Re: Experiment of reproducible results PART II
Message-ID: <001201c22a61\$514584e0\$1b11eb41@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

George and all:

Your are correct in you explanation. I had the same problem when using my Scout along with a tuner with a built in SWR circuit. My Scout meter read differently than the one in the tuner. For a while I relied on the tuner meter but after doing some on the air testing I determined that the correct reading was at the Scout.

John K2JHU...

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, July 12, 2002 8:30 PM

Subject: Re: Experiment of reproducible results PART II

>

>

> PART ONE

>

> Nils, the bottom line is that whenever you insert an SWR bridge into a line

> you upset the impedance of that line and introduce a discontinuity. Some

> SWR circuits are worse than others. Basically, you believe the meter

> nearest the source of power. The longer the coax and whatever else between

> the two SWR meters, the more they may differ in their readings.

>

> We tend to automatically think that inserting an SWR bridge into a coax

> line doesn't affect the line, but it can - big time in some cases. Funny,

> but inserting an SWR meter can create or even worsen an SWR situation . .

.

>

> So, tune according to the meter nearest to the transmitter and you will be

> as close as you can get.

>

> Remember the man with two watches who never knew the correct time?

>

> Sound familiar?

>

> PART TWO

>

> The reflectometer circuit most often found in SWR bridges or wattmeters -

> the one Warren Bruene W5OLY invented while with Collins back in the 40's -

> does not really measure SWR nor does it actually measure power. It

> electrically measures the reflection coefficient of the line circuit into

> which it is inserted.

>

> In other words, it measures how far the impedance at that point in the line

> differs from 50 Ohms resistive. Since there is really no line within that

> little box to measure a standing wave upon, something else must be going on

> - and it is. Line voltage and current measurements are made and from these

> and some math tricks actually performed by the analog circuitry, the SWR

> and forward and reflected power components are measured and displayed by

> the meter.

>
> So, think of your SWR meter as reading, not SWR or power, but the extent
to
> which the line impedance at that location differs from a 50 ohm resistor.
> Due to the generosity of some neat math, it turns out that knowing that
> allows the meter to be calibrated in terms of the SWR that *would* exist
in
> a line sufficiently long enough to contain a standing wave had we made
> measurements along the line and standing wave, like the old Lecher wires
of
> yesteryear or the slotted lines still used in microwave labs. By
> calibrating the meter deflection appropriately, we can also assign power
> levels to the meter readings and measure forward and reflected power in
the
> line at that location.
>
> Again, the key thing to remember is that sticking one of these boxes into
a
> coax line changes the line operation and affects everything upstream
> between it and the source of r-f power. So, the meter to trust is the one
> nearest the source.
>
> Hope this helps a little . . .
>
> 73/72/00, George W5YR - the Yellow Rose of Texas
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> Amateur Radio W5YR, in the 56th year and it just keeps getting better!
> QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
> Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
>
> Nils R Young wrote:
> >
> > Gang,
> >
> > Someone suggested that the problem with my Z-match tuner/SG2020 being
> > squirrely might not be the radio. The suggestion was that it was the
SWR
> > bridge in the tuner. Well, guess what I found out . . .
> >
> > Today I took my fancy 50W "ultimate transmatch" ATU thingie (hereafter
> > known as "Tuner A") and hooked it up to the radio. Tuned up great. Sure,
> > it weren't the antenna I used at the beach & I wasn't at the beach
> > anyway. But with two pieces of wire hangin' off the back of the tuner, I
> > managed to tune a very respectable "low SWR " without having to tune at
a
> > power level over 5W.
> >
> > Then I hosed up the Z-match via Tuner A, using the SWR bridge in Tuner A

> > to verify what was showin' up on the Z-match SWR meter. (Tuner A has a
> > "pass through" setting so I can use the SWR bridge there & the signal
> > goes straight out the back to whatever) For all intestinal porpoises,
the
> > meters in Tuner A and in the Z-match agreed. Very respectable SWR.
> >
> > Then I put the SWR bridge in the Z-match through Tuner A & used Tuner A
> > to set the antenna. (I can bypass the Z-match tuning stuff.) The meter
on
> > Tuner A agreed for the most part with the Z-match. But not exactly. In
> > fact, there was a reasonable measure of disagreement.
> >
> > So I took the SWR bridge in the Z-match out & looked at it serious. It's
> > basically the same circuit that's in the LDG ATUs, in the K1 & K2 auto
> > ATUs & nearly the same as the S/R meter on page 44 of July 1999 QST. All
> > of the three or four home brew SWR meters I've got are the same circuit.
> > The one in the box on the wall is a Stockton. I think the one in Tuner A
> > is a Stockton meter too.
> >
> > But this brings up a big question: If the meter in the Z-match only
reads
> > right when the RF goes through a Stockton meter first (and possibly
> > another SWR meter I ain't tried yit), how come it don't read right when
> > the Stockton meter ain't there? I mean, it's like it only works if
> > there's another SWR meter circuit (or at least the one in Tuner A) is in
> > the circuit between the RF and the Z-match tuning stuff?
> >
> > What's really nuts is that the Z-match bridge shows 5W on the meter for
> > 5W in to a dummy load. Through the tuner the fwd & ref readings never go
> > above or below 3W into any other load (as in through the Z-match tuning
> > circuit). The meter on Tuner A will show 5 W to the Z-match bridge to a
> > dummy load too. Which is to say that the Z-match meter never agrees with
> > reality unless Tuner A is between the RF source (the '2020) and the
> > Z-match to the wires hanging off the back. It's really weird. Like I
> > said.
> >
> > I am so confused! It's almost enough to make me want to take up
> > collecting "bawdy house tokens," for which there is an interesting web
> > site in Sweden. If you can believe that.
> >
> > Either that or I am so for sure gonna take the alto to the beach next
> > year & sit on the beach & play to the dolphins. 'Cept the dolphins don't
> > pay scale. But I ain't got a union card nor a cabaret card neither. As
> > if!
> >
> > Insights or wisdom about this Tuner A/Z-match SWR deal welcome & greatly
> > appreciated. Not as much as the value of "bawdy house tokens" has
> > appreciated over the years, I'd bet. But appreciated all the same.

Date: Sat, 13 Jul 2002 08:20:34 -0400
From: W2AGN <w2agn@w2agn.net>
To: qrp-l@lehigh.edu
Subject: [129678] Ultimate Portable Antenna
Message-ID: <3D2FE2D2.28018.34ED1BE@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

It would appear that the North Georgia QRP club has developed the ULTIMATE portable QRP antenna. Beats the EH, Isotron, etc. Better than a full size 5 element beam!
To paraphrase one of the other list members, 'This is the best antenna in the world.'

see: <http://www.qsl.net/ae4gx/MericleWhip.html>

--

/\ /\ /\ /\ /\ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_/ _/ _/ _/ _/ ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sat, 13 Jul 2002 07:29:17 -0500
From: "George, W5YR" <w5yr@att.net>
To: John Dorson <jdorson@Worldshare.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129679] Re: Experiment of reproducible results PART II
Message-ID: <3D301D1D.ABE1BA28@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, John - nothing new in my posting, but seems like every now and then we need to revisit some topic that may not be well known or understood and can be confusing. Bet a good question on the written test could be made from this setup. <:}

Most commercial rigs, including the K1 and K2, that have internal automatic tuners measure "SWR" in the circuitry between the amplifier output network and the tuner input. That is the meter or display reading to use and rely

upon for accuracy. Remember that the only goal for all this impedance matching is to present the amplifier output network with a 50 ohm resistive load. And that is the point where you want to make the measurements.

The SWR indication from an external tuner in the transmitter line to the antenna may or may not read the same as the internal meter/display. The discrepancy between the readings usually is proportional to the length of coax, etc. between the two meters. In any event the external SWR readings should not be used for adjusting the tuner manually.

While on this topic, let me emphasize that you are risking damage to operate both an internal automatic tuner and an external manual or automatic tuner. Destructive voltages and currents can be developed within the internal tuner that can cause serious and expensive damage.

If an external tuner is required, then bypass the internal tuner and do the impedance matching with the external tuner only. But use the radio's internal SWR indication as a guide for adjusting the external tuner.

Perhaps some of us have experienced the "dueling tuners" phenomenon when we have left the internal tuner activated and made adjustments on an external tuner. It is funny when banjos do it, but not so funny when you smoke your internal tuner, even at QRP levels.

Of course this situation does not arise when using a transmitter without an internal tuner or SWR metering. In that case, just use the shortest possible connection between the transmitter output connector and the external tuner input connector. In that way, the impedance transformation effects of the interconnecting coax can be eliminated.

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

John Dorson wrote:

>

> George and all:

>

> Your are correct in you explanation. I had the same problem when using my
> Scout along with a tuner with a built in SWR circuit. My Scout meter read
> differently than the one in the tuner. For a while I relied on the tuner
> meter but after doing some on the air testing I determined that the correct
> reading was at the Scout.

Date: Sat, 13 Jul 2002 08:38:44 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: w2agn@w2agn.net,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129680] Re: Ultimate Portable Antenna
Message-ID: <4.1.20020713083809.00946b70@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Chuckle cute...wonder how it radiates...

72
Dave
WA4EMR

At 08:20 AM 7/13/02 -0400, W2AGN wrote:

>It would appear that the North Georgia QRP club has developed the ULTIMATE
>portable QRP antenna. Beats the EH, Isotron, etc. Better than a full size 5
>element beam!

>To paraphrase one of the other list members, 'This is the best antenna in
>the world.'

>

>see: <http://www.qsl.net/ae4gx/MericleWhip.html>

>--

>

> /_ \ /_ \ /_ \ /_ \ /_ \ John L. Sielke

>(W)(2)(A)(G)(N) <http://www.w2agn.net>

> _ / _ / _ / _ / _ / ARCI, NJQRP, ARQrp, GQRP, RSGB

>Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sat, 13 Jul 2002 08:51:28 -0400
From: "Michael Bower N4NMR" <bowerm@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129681] RE: Ultimate Portable Antenna
Message-ID: <ODE0IKLMAJFGCNMOGAGIKEEHCBAA.bowerm@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

I guess this new antenna would work wonderfully with NorCal's BLT tuner?

(Sorry, I couldn't resist. I'll go to my room now.)

(For those of you who are humor-challenged, BLT is NOT Balanced Line Tuner but Bacon-Lettuce-Tomato.)

(OK, OK. Now I'll go to my room. Sheeesh.)

<VBG>

N4NMR

Date: Sat, 13 Jul 2002 08:58:34 -0400
From: W2AGN <w2agn@w2agn.net>
To: Dave Fouchey <dafouchey@comcast.net>, qrp-1@lehigh.edu
Subject: [129682] Re: Ultimate Portable Antenna
Message-ID: <3D2FEBBA.12948.3719F9B@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 13 Jul 2002 at 8:38, Dave Fouchey wrote:

> Chuckle cute...wonder how it radiates...
>
> 72
> Dave
> WA4EMR

Rdaiate? We don' need no steenkin' radiation. Just so we get a match to our FT-817, we are happy.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
 _ / _ / _ / _ / _ / ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sat, 13 Jul 2002 09:16:49 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129683] Re: Ultimate Portable Antenna
Message-ID: <3D2FF001.21492.38257AB@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 13 Jul 2002 at 8:58, W2AGN wrote:

>
> Rdaiate? We don' need no steenkin' radiation. Just so we get a match to our
FT-817, we are happy.

We obviously also don' need no steenkin' spelling!

--

/\ /\ /\ /\ /\ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
//_/_/_/_/ ARCI, NJQRP, ARQrp,GQRP,RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sat, 13 Jul 2002 09:58:41 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [129684] DSWTUN95 revisited...
Message-ID: <F105gxeCcW0Ehq0paBY000112a9@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, gang.

Yeah, I know, I seem to have a one-track mind most of the time...

DSWTUN95 *should* be more convenient to use now that I have learned how to shrink it down to size...I've only scratched the surface in gaining knowledge of programming for Windows and this has been sort of a pet project of mine to get off square one in that regard...

I promise to move on to another project once I've made this one into something decent...

BTW, my DSW interface won't work with the new DSW-II-series due to product

improvements Dave is making up there in Colchester...out with the old...

Anyway, if you'd be interested in checking my progress from time to time, I invite you to see the link, below...

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sat, 13 Jul 2002 08:56:12 -0500
From: "David Durant" <n4xce@bellsouth.net>
To: <qrp-1@lehigh.edu>
Subject: [129685] For Sale : Vibroplex Key & Welz Meter
Message-ID: <003e01c22a75\$2d8498c0\$31ed5141@workstation>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale :Vibroplex vibrokeyer , black powder coat base good condition \$80
Welz SP-15 M watt meter ,reads full scale 2.5 , 20 and 200 watts covers 1.8
to 150 mhz with manual very good QRP meter \$ 75
WANTED WANTED WANTED
i need a Heath HW9 manual ,if you have one you want to sell or if i could
borrow it long enough to make a copy of it ,(i,ll pay all shipping cost on
the manual)
contact David N4XCE at 1-251-478-8823 or email

Date: Sat, 13 Jul 2002 10:41:59 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@lehigh.edu
Subject: [129686] WTB Heathkit meter
Message-ID: <20020713.104202.8766.1.kc8aon@juno.com>

Anyone have a Heathkit HM-102 SWR/Power meter they would part with ?
Have emailed several folks that advertise them and no one replies back !
Please email me off the list with price and description. I want one that

is in good working condition with manual. Cosmetics not real important, but would like one in fair shape, ie- no dents or missing cabinet parts or big gouges or cracked or scratched meter faces please.

Thanks,
Rick McKee, KC8AON
kc8aon@juno.com

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/web/>.

Date: Sat, 13 Jul 2002 12:03:16 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Elecraft <elecraft@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>,
FP List <fpqrp-l@mpna.com>
Subject: [129687] For Sale: Assembled KAF2 Audio Filter & Yaesu knob
Message-ID: <3D304F44.DF6F6403@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Assembled KAF2 Audio Filter/Real Time Clock for the Elecraft K2.
Includes original manual.

\$54 shipped.

Yaesu FT100 knob
Great condition. \$13 shipped

Please email with any questions.

Thanks!

Paul K4FB

Date: Sat, 13 Jul 2002 10:27:04 -0600
From: Ron KU7Y <mswmod@bigplanet.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129688] Why I became a Ham Question for newer hams

Message-ID: <000601c22a8a\$507cba00\$bf01d2d1@oemcomputer>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7bit

Hi All,

I'm still working on that CW article and need some more input. This time I want to know what motivated the newer hams to come join the fun. I think I understand why most of us OF's did it but I really want to hear from those of you who joined the ranks in the last 10 years or so.

If you know some newer hams that are not on this list please feel free to ask them and let me know.

I think there are a LOT of the newer folks who don't care for any of the HF activities and I'd like to figure out just what it would take to get them interested in giving it a try.

But first I need to have an idea of what motivated you (them) into being a ham.

The tie in to QRP is that if we can entice many of them to come play around building things or fooling around in the Fox hunts we can help QRP grow. And the connection to CW will come about from the simple equipment that we like to build, at least in the beginning!

Thanks, and please leave the subject line the same. That way I can filter the responses into a folder here and those who don't want to read such posts can filter them out.

OK, back in my hole and TIA,

Ron, KU7Y

ku7y@qsl.net

Full Time RVing somewhere in the West.

Currently back in Boise, ID.

If you like the fires in the West, be sure to thank an environmentalist.

Date: Sat, 13 Jul 2002 12:34:42 -0400

From: Paul Womble <pwomble1@tampabay.rr.com>

To: Elecraft <elecraft@mailman.qth.net>, FP List <fpqrp-1@mpna.com>, QRP-L <qrp-1@lehigh.edu>

Subject: [129689] KAF2 & Yaesu knob have been sold

Message-ID: <3D3056A2.87BAED12@tampabay.rr.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for all of the replies.

Paul K4FB

Date: Sat, 13 Jul 2002 11:42:03 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: W2AGN <w2agn@w2agn.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129690] Re: Ultimate Portable Antenna
Message-ID: <Pine.LNX.4.44.0207131131520.2507-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 13 Jul 2002, W2AGN wrote:

> It would appear that the North Georgia QRP club has developed the ULTIMATE
portable QRP antenna. Beats the EH, Isotron, etc. Better than a full size 5
element beam!
> To paraphrase one of the other list members, 'This is the best antenna in the
world.'
>
> see: <http://www.qsl.net/ae4gx/MericleWhip.html>

Seems no-one knows how to spell Miracle properly. This is the:

Miracle Whip antenna revisited! As is well known the
onerous Miracle Whip antenna that was sold for like \$100.00 was worth
nothing.

This Miracle Whip antenna is easy to build and tastes good on
Bacon and Lettuce Sandwich. So after you finish the bottle you make it
a lossy dummy load.

--
Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Sat, 13 Jul 2002 12:49:02 -0500
From: Karl Heimbach <kheimbach@ev1.net>
To: qrp-1@lehigh.edu, BOATANCHORS@LISTSERV.TEMPE.GOV,
forsale-swap@mailman.qth.net
Message-ID: <5.1.0.14.2.20020713122543.00b47408@mail.ev1.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Have a CPCW-5 "Cake Pan" transmitter for sale. Uses two tubes 6C4 and 6AQ5. Coils for operation on 40, 80, and 60 meters. Uses FT-243 crystals. Runs about 4 to 5 watts depending upon band. Works perfectly. With assembly manual and three coils.

Digital pictures upon request. \$75 plus shipping.

Please reply off list if interested.

Thanks,
Karl - W5QJ

Date: Sat, 13 Jul 2002 13:52:02 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [129692] Re: Ultimate Portable Antenna
Message-ID: <3D303082.5609.47E64F0@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 13 Jul 2002 at 11:42, Karl F. Larsen wrote:

> On Sat, 13 Jul 2002, W2AGN wrote:

>

> > It would appear that the North Georgia QRP club has developed the ULTIMATE portable QRP antenna. Beats the EH, Isotron, etc. Better than a full size 5 element beam!

> > To paraphrase one of the other list members, 'This is the best antenna in the world.'

> >

> > see: <http://www.qsl.net/ae4gx/MericleWhip.html>

>

In this case, not a spelling error, but a deliberate change to avoid confusion with the earlier, inferior, "Miracle Whip" antenna, which wasn't even edible.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
 _ / _ / _ / _ / _ / ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sat, 13 Jul 2002 13:10:45 -0500
From: Karl Heimbach <kheimbach@ev1.net>
To: qrp-1@lehigh.edu, BOATANCHORS@LISTSERV.TEMPE.GOV,
forsale-swap@mailman.qth.net
Subject: [129693] Tube QRP transmitter for sale
Message-ID: <5.1.0.14.2.20020713130956.00b1bd88@mail.ev1.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

My apologies; forgot the "Subject line". Posting again.

Have a CPCW-5 "Cake Pan" transmitter for sale. Uses two tubes 6C4 and 6AQ5. Coils for operation on 40, 80, and 60 meters. Uses FT-243 crystals. Runs about 4 to 5 watts depending upon band. Works perfectly. With assembly manual and three coils.

Digital pictures upon request. \$75 plus shipping.

Please reply off list if interested.

Thanks,
Karl - W5QJ

Date: Sat, 13 Jul 2002 11:39:05 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [129694] Re: Riddle me a Rock-Mite
Message-ID: <003b01c22a9c\$9153acc0\$0400a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There once was a rookie Rock-Miter,
who thought the front end could be tighter.
If I turned down the tuning range and power,
he continued to glower,
I could make it smaller and lighter!

72, Dave, AD6A

Date: Sat, 13 Jul 2002 16:40:14 -0400
From: Al Scanandoah <k2zn@rochester.rr.com>
To: qrp-l@lehigh.edu
Subject: [129695] Next step beyond Altoids?
Message-ID: <200207132042.g6DKgGp11726@mailout6.nyroc.rr.com>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Perhaps I've missed any previous discussion, so I apologize in advance.

I just received (another) one of those annoying AOL CDs in the mail today.
This particular CD came in a rather nifty metal container, which may have
enough room for some sort of all-SMT transceiver project. Has anyone given
this any thought?

At the very least, it's something that my kids think is a great thing for
storing their "special" treasures - whatever they may be.

Al, K2ZN

Date: Sat, 13 Jul 2002 16:57:45 -0400
From: Jim Campbell <jim-c@nc.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129696] Low-Power Dummy Load
Message-ID: <3D309449.3F382D96@nc.rr.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For those of you running a half-watt or less, I just found a relatively inexpensive dummy load. It is the terminating resistance for a 10 Base 2 Ethernet. These are mounted in a male BNC connector, are 50 ohms resistance, and have no reactance until you are well above 100 MHz. They are rated at one-half watt.

I have had mine for a long time but don't believe that they are all that expensive. I got mine at a store that sold network stuff. I realize that there aren't a lot of 10 Base 2 (coax) Ethernet networks anymore, but I'll bet that the terminating resistors are still available.

72/73,

Jim
W4BQP

Date: Sat, 13 Jul 2002 17:20:05 -0400
From: Al Scanandoah <k2zn@rochester.rr.com>
To: jim-c@nc.rr.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129697] Re: Low-Power Dummy Load
Message-ID: <200207132122.g6DLM7p27376@mailout6.nyroc.rr.com>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

When we upgraded our network at work, I salvaged as much of the old line as I could, as well as the terminations and tees. I picked up a couple of decent 50' runs of coax with the BNCs intact at both ends. Not the best cable from a loss perspective, but it certainly did the job for my SWL antennas.

Al, K2ZN

On Saturday 13 July 2002 04:57 pm, Jim Campbell wrote:

> For those of you running a half-watt or less, I just found a relatively
> inexpensive dummy load. It is the terminating resistance for a 10 Base
> 2 Ethernet. These are mounted in a male BNC connector, are 50 ohms
> resistance, and have no reactance until you are well above 100 MHz.
> They are rated at one-half watt.

>
> I have had mine for a long time but don't believe that they are all that
> expensive. I got mine at a store that sold network stuff. I realize
> that there aren't a lot of 10 Base 2 (coax) Ethernet networks anymore,
> but I'll bet that the terminating resistors are still available.
>
> 72/73,
>
> Jim
> W4BQP

Date: Sat, 13 Jul 2002 16:42:08 -0500
From: don@azark.com
To: qrp-l@lehigh.edu
Subject: [129698] Xtals FS
Message-ID: <3D305860.4257.176F09A@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Cleaning shack, found a stash of old crystals I bought many years ago from a fellow at a hamfest. They are obviously "pulls" from such equipment as GE Progress line and possibly others. Some may be of use to QRP homebrewers and experimenters on this list.

Will sell for 50 cents each, or if you start getting into quantities over 10 will negotiate a lesser price. Add \$2 for shipping (any quantity) to US.

They are all the metal can type, some of the ones with "Int Crystal" on them are marked "F-6" (they are not the very miniature ones you often see today), and were designed to be plugged into sockets in the mobile FM rigs. Most have the small diameter pins, some have a little larger diam. pin.

Have not checked them -- but will guarantee they are good or money refunded.

Please contact me OFF LIST with any questions, etc. Email ae5k at arrl dot net. I am not in business -- I'm just a fellow homebrewer and QRPer.

List of frequencies and approximate quantity of each () --

3488.333 (1)

3490.000 (1)
5946.2 (1)
6170.000 (19)
6359.583 (1)
6479.17 (2)
6573.750 (8)
6576.250 (41)
6578.750 (30)
6580.000 (12)
6581.25 (28)
6583.750 (50)
6585.000 (6)
6586.25 (3)
6687.50 (1)
8410.000 (1)
11740.00 (21)
11984.17 (9)
11989.17 (41)
11994.17 (31)
11996.66 (16)
11999.17 (24)
12004.17 (30)
12006.67 (5)
12009.17 (3)
13067.71 (3)
13071.875 (2)
13080.21 (3)
13084.375 (1)

72/73,
Don AE5K

Date: Sat, 13 Jul 2002 17:44:40 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [129699] Re: Next step beyond Altoids?
Message-ID: <5.1.0.14.1.20020713174316.00b228e0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:40 PM 7/13/2002 -0400, you wrote:

>Perhaps I've missed any previous discussion, so I apologize in advance.
>
>I just received (another) one of those annoying AOL CDs in the mail today.
>This particular CD came in a rather nifty metal container, which may have

>enough room for some sort of all-SMT transceiver project. Has anyone given
>this any thought?

Al,

I think somebody on the list mentioned getting one a few months ago. I think a Polapulse battery (the really thin one from a Polaroid film pack) would make a good internal power source.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Sun, 14 Jul 2002 00:04:52 +0200
From: "Nico Vertriest" <Nico.Vertriest@pandora.be>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [129700] Re: Roof-mounted multiband vertical fed by ladderline
Message-ID: <017401c22ab9\$51145ac0\$f96377d5@pandora.be>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Thanks to everyone who took the trouble to reply to my question.

I installed the antenna as follows:

radiator : 5 meters long, base at height of 10 meter
radials: 5 meters long, 6 ribbon cables (having 8 conductors eachs) of 5m long drooping down.
using 450 ohm ladderline.

I have not used it extensively yet, but it seems to work quite well on 20m. No real DX yet, the CW areas are full of "cq test", circumstances under which I don't like to operate.

I wanted to use ladderline because the vertical was intended for multi-band use. Since the distance from the vertical to the station is only 5 meters, would it not make sense to use coax ? Or would ladderline still be the best choice considering its very low losses ?

>On 20-meters the current magnitudes were within about 3 % and the
>phase differential at 178 - really not too bad.
>However at 15 meters the current magnitudes varied by 43% and the
>phase differential as only 82 . Ugh, lousy!

What is the result of the distorted situation at 15 meters ? A distorted
radiation pattern ? Bigger cancellation ?

73
Nico
on4civ

End of QRP-L Digest 2615

